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Angulo, Maria de Jesus Leal Dunn, Alejandro Miguel Martin

System for the Expression of Heterologous Antigens as Fusion Proteins <120>

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<140> 09/612,925 <141> 2000-07-10

<150> 08/930,917

<151> 1997-09-16

<150> CU97/00001

1997-01-17 <151>

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PRT <212>

<213> Neisseria meningitidis

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Ala Gly

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Ala Ala Thr Gly Thr Ala Gly Ala Thr Ala Thr Thr Ala Thr Cys Gly
Cys Gly Gly Thr Thr Gly Ala Ala Gly Thr Ala Ala Ala Cys Gly Thr
Gly Gly Gly Cys Gly Ala Cys Ala Cys Thr Ala Thr Thr Gly Cys Thr
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Ala Ala

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Ser Thr Pro Ile Gly Leu Gly Gly Ala Leu Tyr Thr Thr Ala Gly Gly
Gly Ala Arg Lys Ser Ile Thr Lys Gly Pro Gly Arg Val Ile Tyr Ala
                    70
Thr Ala Gly Gly Ala Arg Lys Arg Ine His Ile Gly Pro Gly Arg
Ala Phe Tyr Thr Thr Ala Gly Gly Gly Ala Arg Lys Arg Ile Thr Met
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Asp Thr Ile Ala Val Asp Asp Thr Leu Ile Thr Leu Asp Leu Asp Ser
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Arg Gly Ile Arg Ile Gly Pro Gly Arg Ala Ile Leu Ala Thr Ala Gly 55 60 60 Gly Ala Arg Gln Ser Thr Pro Ile Gly Leu Gly Gly Ala Leu Tyr 70 75 80

Thr Thr Ala Gly Gly Gly Ala Arg Lys Ser Ile Thr Lys Gly Pro Gly 85 90 95

Arg Val Ile Tyr Ala Thr Ala Gly Gly Gly Ala Arg Lys Arg Ile His 100 105 110

Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Ala Gly Gly Ala Arg 115 120 125

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Thr Ile



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Asp Thr Ile Ala Val Asp Asp Thr Leu Ile Thr Leu Asp Leu Asp Ser 35

Arg Gly Ile Arg Ile Gly Pro Gly Arg Ala Ile Leu Ala Thr Ala Gly 50 55

Gly Gly Ala Arg Gln Ser Thr Pro Ile Gly Leu Gly Gln Ala Leu Tyr 70 75 80

Thr Thr Ala Gly Gly Gly Ala Arg Lys Ser Ile Thr Lys Gly Pro Gly 85 90 95

Arg Val Ile Tyr Ala Thr Ala Gly Gly Gly Ala Arg Lys Arg Ile His 100 105 110 Ne Gly Pro Gly Arg Ala Phe Tyr Thr Thr Ala Gly Gly Gly Ala Arg 115

Lys Arg Ne Thr Met Gly Pro Gly Arg Val Tyr Tyr Thr Thr Ala Gly 130

Gly Gly Ala Arg Gln Arg Thr Ser Ile Gly Gln Gly Gln Ala Leu Tyr 145

Thr Thr Ala Gly Gly Gly Ala Thr Ser Ile Thr Ile Gly Pro Gly Gln 175

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tggtgcgcgc aaaagtatca ccaagggtcc aggccgcgtc atttacgcca ccgcgggcgg 180
cggtgcccgt aagcgtatcc acattggccc aggccgtgca ttctatacta cagcaggtgg 240
tggcgcacgt aaacgcatca ctatgggtcc tggtcgcgtc tattacacga ccgctggcgg 300
cggtgctagc attcgcatcc aacgcggccc tggtcgtgca tttgtgacca tatgataacg 360
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